

CLAIMS

1. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape,  
5 comprising:

first means for encoding an information signal including a magnetic tape identification information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape in  
10 a same format as a teletext information signal of a television text broadcast to be displayed in the form of a caption on a television screen and superposing said information signal on said video signal in vertical blanking intervals at a position differing  
15 from a horizontal synchronizing position at which said teletext information signal is superposed and recording the encoded information signal of said video signal and said information signal on said magnetic tape;

second means for storing said information  
20 signal in storage means upon recording said video signal and said information signal on said magnetic tape;

third means for decoding said information signal superposed on said video signal upon  
25 reproduction thereof from said magnetic tape by changing the horizontal synchronizing position for decoding said teletext information signal;

fourth means for discriminatively identifying whether said magnetic tape identification information signal contained in said information signal as decoded coincides with the corresponding magnetic tape 5 identification information signal stored in said storage means; and

fifth means responsive to coincidence of said magnetic tape identification signal for thereby outputting to a television display screen at least a 10 part of said attribute information signal contained in said information signal stored in said storage means and corresponding to the magnetic tape to be played back.

2. A magnetic recording/reproducing apparatus for 15 recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal including a magnetic tape identification information 20 signal indicative of a manufacture number of said magnetic recording/reproducing apparatus and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal on said video signal in 25 vertical blanking intervals of said video signal and recording the encoded information signal of said video signal and said information signal on a magnetic tape;

second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

5           third means for decoding said information signal superposed on said video signal upon reproduction thereof from said magnetic tape;

                fourth means for discriminatively identifying whether said manufacture number contained in said 10 information signal as decoded coincides with the corresponding manufacture number stored in said storage means; and

                fifth means responsive to coincidence of said manufacture numbers for thereby outputting to a 15 television display screen at least a part of said attribute information signal contained in said information signal stored in said storage means and corresponding to the magnetic tape to be played back.

3.           A magnetic recording/reproducing apparatus for 20 recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

                first means for encoding an information signal including a magnetic tape identification information 25 signal containing a manufacture number of said magnetic recording/reproducing apparatus and an attribute information signal relevant to a video signal to be

recorded on said magnetic tape in a same format as a teletext information signal of a television text broadcast to be displaced in the form of a caption on a television screen and superposing said information 5 signal on said video signal in vertical blanking intervals of said video signal at a position differing from a horizontal synchronizing position at which said character information signal is superposed and recording the encoded information signal of said video 10 signal and said information signal on a magnetic tape;

second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

15 third means for decoding said information signal superposed on said video signal upon reproduction thereof from said magnetic tape by changing a horizontal synchronizing position for decoding said character information signal;

20 fourth means for discriminatively identifying whether said manufacture number contained in said information signal as decoded coincides with the corresponding manufacture number stored in said storage means; and

25 fifth means responsive to coincidence of said magnetic tape identification signal for thereby outputting to a television display screen at least a

part of said attribute information signal contained in said information signal stored in said storage means and corresponding to the magnetic tape to be played back.

5 4. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal  
10 containing a magnetic tape identifying information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal onto said video signal in vertical blanking intervals and recording  
15 said encoded information on said magnetic tape;

second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

20 third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

fourth means for discriminatively identifying whether said magnetic tape identification information signal contained in said decoded information signal coincides with the corresponding magnetic tape identification information signal stored in said storage means;

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fifth means responsive to coincidence of said magnetic tape identification information signal for outputting said attribute information signal corresponding to a plurality of programs recorded on 5 said magnetic tape to be played back onto a television screen to be displayed in lines on a program-by-program basis; and

10 sixth means for selecting a program displayed in a particular one of said lines from those displayed on said television screen in lines, respectively.

5. A magnetic recording/reproducing apparatus according to claim 4,

further comprising:

15 seventh means for counting a recording time on a program-by-program basis upon recording said video signal and said information signal on said magnetic tape; and

20 eighth means responsive to lapse of said recording time by a predetermined time for thereby adding a first identification signal indicative of said lapse to said information signal to be stored in said storage means.

6. A magnetic recording/reproducing apparatus according to claim 5,

25 wherein upon reproduction of said video signal and said information signal for a given program from said magnetic tape at least for a duration corresponding to a predetermined proportion of said

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recording time of said given program, said eighth means rewrites said first identification signal only for said program into a second identification signal to be stored in said storage means,

5 further comprising:

ninth means for displaying said first identification signal and/or said second identification signal in the form of symbols line by line for every program displayed on the television screen.

10 7. A magnetic recording/reproducing apparatus for recording and reproducing a video signal, a sound signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal  
15 containing a magnetic tape identifying information signal, an attribute information signal relevant to a video signal to be recorded on said magnetic tape and a sound identifying signal for discriminatively identifying whether said sound signal is in a bilingual mode or in a stereophonic mode by superposing said information signal onto said video signal in vertical blanking intervals of said video signal and recording said encoded information together with said sound signal on said magnetic tape;

25 second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

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third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

fourth means for discriminatively identifying 5 whether said magnetic tape identification information signal contained in the decoded information signal coincides with the corresponding magnetic tape identification information signal stored in said storage means; and

10 fifth means responsive to coincidence of said magnetic tape identification information signals for thereby checking said sound identification signal contained in said information signal stored in said storage means to thereby change over a sound 15 reproduction circuit for reproducing said sound signal either to a bilingual sound mode or to a stereophonic mode in dependence on content of said sound identification signal.

8. A magnetic recording/reproducing apparatus for 20 recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal containing a magnetic tape identifying information 25 signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal onto said video

signal in vertical blanking intervals and recording said encoded information on said magnetic tape;

second means for playing back said magnetic tape and decoding said information signal superposed on 5 said video signal;

third means for playing back said magnetic tape to thereby extract a program attribute information signal as recorded and contained in said information signal reproduced from said magnetic tape, said program attribute information signal being stored in storage means; and

fourth means for automatically recording on said magnetic tape those programs which belong to a given series and broadcast in succession periodically at a predetermined interval (e.g. on a week-by-week basis) by referencing said program attribute information signal.

9. A magnetic recording/reproducing apparatus according to claim 1,

20 wherein said third means includes selecting  
means for selecting exchangeably said information  
signal or said teletext information signal;

further comprising:

sixth means for displaying said teletext information signal as a caption on a television screen, upon selection of teletext information signal by said selecting means.

10. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

5 first means for encoding an information signal containing a magnetic tape identifying information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal onto said video  
10 signal in vertical blanking intervals and recording said encoded information on said magnetic tape;

15 second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

20 fourth means for discriminatively identifying whether said magnetic tape identification information signal contained in said decoded information signal coincides with the corresponding magnetic tape identification information signal stored in said storage means;

25 fifth means responsive to coincidence of said magnetic tape identification information signal for thereby displaying said attribute information signals which correspond to a plurality of programs recorded on

said magnetic tape to be played back and which are contained in said information signal stored in said storage means on a television screen in the form of lines, respectively, on a program-by-program basis

5 while displaying program identifiers of said plurality of programs in the form of a band graph;

sixth means for selecting a given one from those displayed in lines and said band graph on said television screen; and

10 seventh means for setting a same color as background colors for said selected program display line and said selected area of said band graph, respectively.